



## MODULAR CURRICULUM

Education program: 7M07206 - "Geology and exploration of solid mineral deposits"

Form of study: full

Duration of training: 2 years

Academic degree: Master of technical sciences

The cycle	code	Name of disciplines	Semester	Acad. credits	lec.	lab.	prac	IWS	Type of control	Chair
<b>Profile training module</b>										
<b>Basic disciplines (BD) (40 credits)</b>										
<b>University component (18 credits)</b>										
BD 1.2.1	HUM201	History and philosophy of science	2	4	1	0	1	2	Exam	SD
BD 1.2.2	HUM207	Higher school pedagogy	2	4	1	0	1	2	Exam	SD
BD 1.2.3	LNG202	Foreign language (professional)	1	6	0	0	3	3	Exam	EL
BD 1.2.4	HUM204	Management psychology	1	4	1	0	1	2	Exam	SECPM
<b>Practice-oriented module</b>										
BD	AAP244	Pedagogical practice	2	4					Report	GSPEMD
<b>Choice component (18 credits)</b>										
<b>Basic geological training module</b>										
BD 1.2.5	GEO209	Geological modeling of mineral deposits	1	6	2	0	1	3	Exam	GSPEMD
BD 1.2.6	GEO234	Petrogenetic minerals	2	6	2	0	1	3	Exam	GSPEMD
BD 1.2.7	GEO207	Genesis of the main industrial deposits	2	6	2	0	1	3	Exam	GSPEMD
<b>Major disciplines (MD) (55 credits)</b>										
<b>University component (UC) (6 credits)</b>										
<b>Profile geological training module</b>										
MD 1.3.1	GEO203	Actual problems of modern subsurface	2	6	2	0	1	3	Exam	GSPEMD
<b>Choice component (CC) (42 credits)</b>										
MD 1.3.2	GEO214	Advanced well logging	2	6	1	0	2	3	Exam	GSPEMD
MD 1.3.3	GEO220	Metallogeny and ore formations of Kazakhstan	1	6	2	0	1	3	Exam	GSPEMD
MD 1.3.4	GEO231	Basics of petrology	3	6	2	0	1	3	Exam	GSPEMD
MD 1.3.5	GEO240	Regional geology of the UIC	3	6	2	0	1	3	Exam	GSPEMD

MD 1.3.6	GEO283	Actual problems of stratigraphy	3	6	2	0	1	3	Exam	GSPCMD
MD 1.3.7	GEO223	Methods of lithological research	3	6	2	0	1	3	Exam	GSPCMD
MD 1.3.8	GEO233	Basics of ecological geology	3	6	2	0	1	3	Exam	GSPCMD
<b>Practice-oriented module (7 credits)</b>										
MD	AAP236	Research practice	4	7					Report	GSPCMD
<b>Research Module (24 credits)</b>										
MSSR	AAP242	Master's student scientific research, including an internship and a master's thesis	1	6					Report	GSPCMD
MSSR	AAP242	Master's student scientific research, including an internship and a master's thesis	2	6					Report	GSPCMD
MSSR	AAP242	Master's student scientific research, including an internship and a master's thesis	3	6					Report	GSPCMD
MSSR	AAP242	Master's student scientific research, including an internship and a master's thesis	4	6					Report	GSPCMD
<b>Module of final attestation (12 credits)</b>										
FA	ECA205	Registration and defense of the master's thesis	4	12					Defense of dissertation	GSPCMD
<b>Total</b>				<b>131</b>						

**Vice-Rector for Research and Academic Affairs**

**Chair of the APC**

**Director of the Institute**

**Head of the Department**

**D. Naurzybayeva**

**K. Tulegenova**

**K. Rysbekov**

**A. Bekbotayeva**